THE FARMING WORLD.

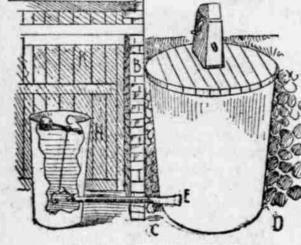
VALUABLE TESTS.

They Establish the True Value of Milk Fat in Cheese Making. cheese and the consequent value of milk any of the stuff before, I did not know fat as a basis in paying for milk for what to do with it, but hearing it was tin 110 of the New York experimental try an experiment. I washed the roots making analysis of the milk of 50 herds | them into a box used for drying headample, comparing two milks contain- it takes a much shorter time. ing respectively three and four per cent. of fat, the former makes 2.85 pounds of coffee, but if used with it cannot be decheese for each pound of milk fat, while | tected from the pure article. We use the latter makes 0.25 pound less or 2.60 pounds of cheese for one pound of fat. they cannot tell it from pure coffee. weary, travel-sore and hungry, I would it fall with a smash on the platform. It is shown that this difference in favor I think it should be largely used, as pull up my apology for a mule and ask of cheese yield for fat in poor milk is only an apparent one, because this dif- ity is to be believed, but chicory was to the village where I intended to was: 'Now, Tom, make the drayman ference of 0.25 pound is made up of casein and water, which is really not as | feet unless used in excessive quantity, | sure me that it was only an hour's jour- is filled with fruit jars, which mamma valuable as separator skimmilk cheese, and which has a market value not to Again coffee is expensive while chicory there would not be what I once heard The next morning despair had its exceed two cents per pound. The constituents in 100 pounds of cheese made from five cents' worth of seed will last "a scintilla of a village in sight." Then it was discovered that the trunk which from the richer milk are worth more in the market than are the constituents from 100 pounds of cheese made from poorer milk. Milk rich in fat can be made to yield cheese of the same composition as milk poorer in fat in one of two ways: (1) by adding skimmilk to, or (2) removing fat from, the richer milk; then the cheese yield for a pound of fat becomes the same. The difference in the cheese yield of milk fat in the case of poor milk over richer milk is a skimmilk difference, and the extra yield of cheese for fat is the poorest kind of skimmilk cheese. It is shown that paying for milk according to weight of milk furnished is exceedmilk. It is shown that the cheese yield team with plow or wagon. More often by itself does not constitute a fair it is a pair of bars that must be climbed basis for payment, because it gives poor milk an undue advantage. A critical comparison of all methods of paying for milk, suggested or in use, leads most emphaticaly to the conclusion that milk fat affords the fairest practical basis to use in paying for milk for cheese making. In conclusion it is pointed out that where the milk fat basis is used, there is no tendency to adulterate and defraud, while there is every encouragement to produce milk of better

CISTERN AND TANK.

A Watering Arrangement That Has Worked Well for Years.

The brick and cement cistern A B C D is 14 feet in diameter, nearly 10 feet deep and holds about 360 barrels. A 11/2inch galvanized iron pipe E G, under stable floor and barn foundation, connects the bottom of the cistern with the 5-barrel wooden, tank, about a foot above its bottom, as shown in the cut. The cistern as shown is very much reduced in size, as compared with the tank-to save room, in the cut. At D gown while trying to get through one, (letter indistinct) is a rolling cut-off or faucet worked by the iron lever, D G. The small iron rod, G C, connects this lever with the lever of the float. To the right of C the lever of the float swings on a pivot fastened to the back side of the tank. To the left of C is the hollow copper globe about 5 inches in diameter, attached to the end of the lever. The action is as follows: When the water is used down in the tank the



CISTERN AND TANK.

copper globe falls with the receding water, pushes down G, the end of the faucet lever and opens the faucet, and the moth appearing after the use of tion of Samsoun and my man returned the water from the cistern rushes into the tank and lifts the globe and gradu- deaux mixture was efficient in causing sticking plaster. I made my supper From Mrs. McGillas to Mrs. Pinkham. ally closes the faucet or cut-off. When less loss from plum rot where the trees | that evening off the aged and moldy the globe reaches the position shown were sprayed weekly throughout the heel of a Dutch cheese .- London Chronin the cut it has shut the faucet tight, ripening period. At this time ammoni- icle. the tank is four inches from full and acal copper carbonate solution is reconno more water can come in though the water level in the cistern may be five that injures the appearance of the fruit. feet higher. The lid of the tank (not | Paris green was used with success for shown in cut) is closed in cold weather repressing the curculio. to prevent possible freezing. It is a has worked perfectly for nearly a quarter of a century, requiring no fixing of windmill or pump, for there is none .-Ohio Farmer.

The Elaboration of Milk.

The cow elaborates the milk in the adder. There is blood coming in by which is composed of two glands lying stry. lengthwise. Peculiar cells line the inside of the lactiferous ducts down which the milk trickles to the milk cisterus at the top of the teats. In each cell a formation grows that is almost like a tiny bud. That bud by and by drops off and trickles down with the liquid milk. These buds are the globules of fat from which butter is made. They float in the milk .- Farmers' Review.

A Great Aid to Farmers,

A map of the farm, with each field keeping track of the year's transacpense of each grown crop the past year, ens have paid, etc.? This is an important matter and should not be neglected. | genous manures simply results in sup-It is a poor business man that does not plying an element which could have know what he raises at a profit, and | been secured quite as well by the plant what at a loss,-Colman's Rural World. I itself, without expense.

CHICORY IN INDIANA. Montgomery County Farmer Telfs

of His Experience with It. Last spring I bought five cents' worth garden. This fall I dug four bushels of The relation of milk fat to yield of chicory roots. As I had never seen

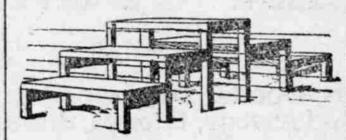
> It is not a complete substitute for can be ground in an ordinary coffee dusk, vainly looking for a village. mill.-Orange Judd Farmer.

ENTERING THE GARDEN.

Make It Easy for the Women and Children of the Family.

The garden gate is often neglected. ingly unfair to the producer of richer Often it is a large gate to admit a double over, let down or crowded through.

If the gate to your garden is like either of these described it would be a good idea to make a pair of steps as shown in the accompanying illustration. It can be easily made with a few inch boards and short bits of 2x4



BETTER THAN A FOOR GATE.

scantling or stakes cut from the wood

Many farmers have fields surrounded by wire fences. These fields are often crossed on foot, and many a step saved by avoiding the entrance gate; this is especially true in the winter time when the children are going to school. The wire fence is no respecter of clothes, and many a little girl is made sad by tearing her bright new and many a weary mother sighs as she takes up the rent trousers of the boy who was "getting over the fence and got caught." To save these tears, to save time, to save the strength of the fence, build a pair of steps as indicated by the illustration wherever a welltrodden path leads across (through) a wire fence.-Farm, Field and Fireside.

SPRAYING ORCHARDS.

Many Parasites Are Destroyed by the Use of Good Insecticides.

Spraying experiments that have been conducted for two years at the Missouri experiment station indicate that apple | self. The fowl stopped, limply watched scab can be prevented by the use of the struggle and gained her second Bordeaux mixture. Four applications wind. When the exasperated man had were found more efficacious than three. In orchards sprayed in 1894 there was less scab than in the unsprayed ones, important engagement in the direction Bitter rot, while more destructive than of Diarbekir. Again the fowl was near usual, was less prevalent on trees ly overtaken; again came an ominous prayed with a six-pound solution of growl, the gleam of magnificent teeth Bordeaux mixture. Attacks of codling | through the gloom, and again the fow moth were not prevented by the use of limply presided as umpire while the arsenites, the injury being due, the combat raged. When the dog was driven author thinks, to a second brood of away the fowl started off in the direcarsenites had been discontinued. Bor- to the hut with a piteous request for mended, as it does not leave a sediment

If Paris green is used for destroying very handy watering arrangement and the bag worm on evergreen trees, as soon as the eggs are hatched, at the rate of one pound to 300 gallons of water, the bag worm will be destroyed without injury to the trees. If the worms are two-thirds grown, double the strength of the insecticide will not kill the worms. Strong solutions of arsenites cannot be used on evergreens the arteries at the top of the udder, until the wood is ripe and the weather

How Plants Acquire Food. The director of the New Jersey experiment station says: The legumes, a class of plants which includes the various clovers, peas, beans, vetches, etc., differ from other plants in being able, under proper conditions, to acquire their nitrogen from the air, and can, therefore, make perfect growth without depending upon soil nitrogen. On the other hand, the various grasses and grains are not only dependent upon soil nitrogen, but they must have numbered, and its size, quality of soil, an abundance during their most rapid etc., specified, will be a great aid in period of growth in order to attain their maximum development. For tions. How few really know the ex- the latter class of plants favorable results are secured from the proper use what their cows, pigs, sheep and chick- of nitrogenous manures, while for the former class the application of nitro-

SIGHTS IN ARMENIA. The Kurdish Residents and Their Big Dogs.

The paramout impression remaining of chicory seed and planted it in my on one's mind after having traveled in Armenia is that if you were to go over the same ground again to-morrow there ing trunks around as though he had a would always be the charm of the un- grudge against their owners. For sevexpected to which to look forward. I cheesemaking, is the subject of Bulle- a substitute for coffee, concluded to am speaking of the time before the station at Geneva, N. Y. The contents carefully, slicing them into thin strips, When an Englishman appeared upon are based upon the results secured by took them to a heading mill and put the scene everyone-Turks, Kurds, Armenians, devil worshipers and so onof cows, whose milk was taken to a ing timber. In three days they were as got ready to help him. I never saw onto a depot truck he had no suspicion cheese factory. The work covered an dry as powder. I ran them through such willingness to guide and direct that any of it belonged to his family. entire cheese making season of six a little hand bone mill, which took a stranger in my life. But it seldom months, from May to October. It is me about 15 minutes, and found I had took a more practical form. Having shown that in general the cheese yield over a bushel of chicory meal. This done everything (in theory) that was the door. is somewhat greater for a pound of fat | meal my wife roasts or browns in the | necessary, the Turk or Kurd or devil in poor milk than in rich milk. For ex- stove, the same as green coffee, but worshiper went back to his hut and con- as he tugged at the trunk and edged it sidered it done in fact.

day the sense of deep injury and vivid tries to put a freight car load into one annoyance which I used to experience piece of baggage!" with which he vitwo-thirds chicory and visitors declare when, toward the end of a long ride, ciously toppled the trunk over and let coffee is not healthful, if medical author. some stalwart mountaineer how far it said to him after her kiss of welcome never was known to have any bad ef- pass the night. He would blandly as- handle my trunk awful careful, for it when it sometimes results in dysentery. nev and depart. At the end of an hour put up for us." costs but very little. What I raised an exasperated missionary describe as | abiding place in the Cotton family, for a large family five years. Let some of I would meet another man. "Oh, yes, Tom had smashed belonged to his wife, our wide-awake farmers in each com- Effendi, you'll get there in three-quar- and no less than 42 fruit jars had been munity try it and it will not be long ters of an hour." The tired dogs and broken and their contents spilled, while until a large coffee bill will be cut off horses and mules would prick their Mrs. Cotton's blue silk waist, which she from almost every family. The only ears and start on again, as if they, too, had taken along to make the Missouri trouble will be the drying of the had heard the welcome words. Three- girls feel envious, was nothing less roots, which must be done thoroughly, quarters of an hour later a downcast than a sight to behold. yet almost every town has some ap- assemblage of men and animals would paratus by which it can be done. It gaze over the plain in the fast-falling

After this had been repeated some half a dozen times, however, just as we were sorrowfully gathering up our reins in our chilled fingers, preparing to push on with bitter hearts and empty bellies, 20 or 30 rough-haired, ferocious Krud dogs would emerge from the gloom, circle around us and bite at our riding boots by way of welcome. These dogs belonged to the Kurds who had settled in villages and were enormous brutes. They usually wore huge collars, studded with nails, so that if a wolf flew at their throats he was received by a mouthful of sharp points and could not get a grip.

I once bought a magnificent Kurd dog for four shillings. He was so fierce that I dared not go near him. Kindness, I thought, would have its due effect on him in a few days, so I had a rope fastened to his collar and gave the other end of the rope to a mounted Zaptieh. The last thing I saw of the dog was LIVE STOCK-Cattle.common 2 25 @ 285 a frightened horse and Zaptieh disappearing in the distance, and the animal fetching a compass for his native village with what Artemus Ward once describer as "a select assortment of trouser patterns" in his mouth. These dogs are so intelligent that

they seem to understand the slightest sign from their masters. I once saw my man buy a fowl for our evening meal from a Kurd and pay down the money. Then he asked for the fowl "Oh, there it is, Effendi," said the Kurd, pointing to a limp mass of feathers standing on one leg just outside the hut; "all you have to do is to catch and kill it." My man, like Agag, "walked delicately" toward the fowl, and the limp bundle of feathers immediately "put out" in the direction of Sivas My man went after it, sword in hand. with the fell intention of slicing of the fowl's head and bringing back its gory body in triumph. A big Kurd dog immediately started after my man, who gained rapidly upon the fowl. Just as he was about to slice off its head an ominous growl from the rear warned him that he must turn and defend him driven off the dog he again pursued the fowl, which seemed to remember as

A Wonderful Waterspout.

On the night of the 25th of November last a watersoput burst over the city of Povoacao, on the island of Caint Michael, one of the Azores, and according to the report accompanying a petition for aid, which has been sent abroad, almost in an instant the deluge of water rose above the roofs of the low houses. The homes of thousands were destroyed, a great loss of life occurred, and on its way to the sea the water plowed a broad, deep channel nine miles long .- Youth's Companion.

Worms in Granges.

No one is surprised to find a worm in | fore my an apple, and occasionally in other fruits, but it is a surprise to learn that | and somethe orange is getting to be infested as well as the rest. The worm in the see for several minutes. orange is named by the entomologist trypeta ludens. So far as has been discovered it has not been found in any | breathe a long breath without screamof the oranges grown in the different | ing, my heart pained so. parts of the United States, although it is said it is getting common in the mation of ovaries, painful menstruafruit grown beyond our Mexican bor- tion, displacement of the womb, itchders .- Chicago Tribune.

A Valuable Book.

"This book on swimming is very use fel in sudden emergencies."

"Is it?"

"I should say so. If you are drowning, turn to page 103, and there you'll see how to save yourself."-Tit-Bits.

-Shakespeare's longest play is "Hamlet; "it contains 4,058 lines; the shortest is the "Comedy of Errors," with 1,807 lines.

TRIUMPH OF JUSTICE. It Overtook This Kansas Baggage

Smasher at Last. Station Agent Cotton, of the Missouri Pacific at Ottawa, has probably been thoroughly cured of the habit of tosseral weeks Mr. Cotton's wife had been visiting with her mother in Missouri. country was devastated by the Kurds. She came home the other day without announcing her coming, says the Kancas City Journal, and when her husband was jerking baggage out of the car door

> "Here is a heavy one," said the baggageman, as he trundled a big trunk to

"I should say so," responded Cotton, along where it would slide down on the And there remains in my mind to this truck. "Durn the cuss, anyway, who

That night the first thing his wife

Specially Remember That the Cleveland, Akron & Columbus R'v., is still selling round trip tickets between all stations on its line, good going and returning Sunday, at a rate of one fare for the round trip. Ask any agent for particulars, or write to C. F. Daly, General Passenger Agent,

Often when people tell you how they told somebody else what they thought of them it is a lie.-Washington Democrat.

No man can become great unless the peo

ple exaggerate his best points. - Atchison With cold neuralgia increases. With St.

Jacobs Oil it decreases and is cured. Don't give a tract where bread is needed

most .- Ram's Horn. Easy to have rheumatism. Just as easy

to get rid of it with St. Jacobs Oil. It takes a hot fire to purify gold .- Ram'

Select butchers..... 3 75 @ 4 25

THE MARKETS.

CINCINNATI, March 4.

	CALVES-Fair to good light HOGS-Common	5	00	@ 5	75	1
1	Mixed packers	3	60	@ 3	65	-1
	Light shippers	3	65	@ 3	75	
	SHEEP hoice	- 33	00	@ 4	15	
1	LAMBS-Good to choice FLOUR-Winter family	3	45	(C)	75	1
1	GRAIN-Wheat-No. 2 red		4.5	@		4
4	No 3 red			144	86	
H	Corn-No. 2 mixed			@	23	-1
	Oits-No 2			@	18	- 1
1	Rye-No. 2 HAY-Prime to choice	10	75	@11		- 1
d	PROVISIONS Mess pork			@ 5	25	1
-	Lard-Prime steam	3	90	@ 3	95	13
	BUTTER-Choice dair,	913	. 9		10	
	Prime to choice creamery.	1	23	0	50	
1	APPLES-Per bbl POTATOES-Per bbl	î	00		10	
	NEW YORK.		1	100		7
1	FLOUR-Winter patent	4	50	on a	1 65	-
	GRAIN-Whea - No. 1 north'n	-3	0.0	(00)	87	14
311	No. 2 red			(1)	8.3	8
	CORN-No 2 mixed			@	29	1
3	OATS-Mixed PORK-New mess	c	50	GA I	213	4
d	LARD—Western	0	50	tra .	4 80	
83	Provide the Control of the Control o				-	
	CHICAGO.	1	en	0	. 50	
	FLOUR-Winter patents GRAIN-Wheat-No 2 red	3	8.17	0	83	. 1
	No 2 Chicago spring			1.		1
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	OATS-No 2 PORK -Mess		163	320	16	4
	LARD-Steam.	8	OPT	0	8 10	. 1
1		7	Usey	\$160	1 0.5	
	BALTIMORE	٦,				
	FLOUR-Family		25	0		
	GRAIN-Wheat-No. 2		est, t	(6)	89	4
	Corn-Mixed		231	466	24	/8
	Addition to the contract the contract to the c					- 1
1	PORn - Mess			@1	6 85	
	CATTLE-First quality	3	80	60	4 20	
	EO3s-Western		. 00	0	4 10	
	INDIANAPOLIS		- 3			
	GRAIN-Wheat-No 2			@	83	
1	Corn-No. 2 mixed			60	18	
			9	0		
	LOUISVILLE				* 00	1
;	GRAIN-Wheat-No. 2 red		3 "	60	4 00 89	
	Corn-Mixed			6	23	
	Oats-Mixed			0	20	
1	PORK-Mess			0	7 50	
•	LARD-Steam			0	6 25	
1		-		_		-
		-	-			

Wonderful Statement

I think it my duty, dear Mrs. Pinkham, to tell you what your wonderful Compound has done for me. I was dreadfully ill-the doctors said

they could cure me but failed to do



times I would get so blind, I could not

I could not stand very long without feeling sick and vomiting. I could not

I also had female weakness, inflaming of the external parts, and ulceration of the womb. I have had all these complaints.

The pains I had to stand were something dreadful. My husband told me to try a bottle of Lydia E. Pinkham's medicine, which I did, and after taking it for a while, was cured. No other kind of medicine for me as long as you make Compound. I hope every woman who suffers will take your Compound and be cured .- MRS. J. S. McGILLAS, 113 Kilburn avenue, Rockford, III.

A Magnificent Road.

It is a revelation to most people to know that such railway equipment exists south of the Ohio River as that of the Queen and Crescent Route. The block system; lectric equipment, such as track signals, lectric headlights, and crossing gongs; together with a perfectly lined, rock-ballasted roadbed, all provide for the swift and safe movement of passenger trains of the most uxurious pattern. The New Orleans and florida Limited leaves Cincinnati over the Queen and Crescent Route daily, on schedules which each year are made a little shorter, through scenery which is unsurpassed. . C. Rinearson, Gen'l Pass'r Agt., Cincin-

Every real nice old lady should have her picture taken with her Bible in her hands. gives the people an added respect for the Bible.-Atchison Globe.

Over the Precipice

Hosts of invalids tumble to destruction simply because they will exercise ho discretion in the matters of eating, drinking and the avoidance of exciting causes, and, bove all, in the item of medication. They persist in dosing themselves in season and out of season with drastic and violent remedies, opiates and mineral poisons. The best, the safest, the pleasantest substitute for such hurtful no remedies is Hostetter's Stomach Bitters, potent for malarial, rheumatic, dyspeptic, nervous and bilious com-

It is impossible to discourage the man, who has learned in whatsoever condition he finds himself, therewith to be content .-Kam's Horn.

The B. & O. S.-W. Ry., commencing Sunday, January 24th, will inaugurate on trains No. 4 and 5, a through Pullman Buffet Sleeping Car line between Baltimore and Chi-

eago, via Ciucinnati and Indianapolis. This will enable the patrons of the B. & O. S.W. Ry. to make the above named points without the inconvenience of chang-For time of trains and further informa-

There is one thing about a prayer meeting: It lets out at nine o'clock, while a dance keeps going until one or two o'clock

tion call on agents B. & O. S. W. Rv.

in the morning. Free Farm Labor Bureau.

In order to assist the thousands of unemployed men in Chicago, the Workingmen's Home, at 42 Custom House Place, has established a Free Labor Bureau, and is prepared to furnish men to farmers and others in all parts of the country without pense to either. Employers ap should state definitely as to the kind of work, wages to be paid, and if railway fare will be advanced. Address Labor Bureau, Workingmen's Home, 42 Custom House Place, Chicago, Ill.

It is queer that when a fellow is late everything else goes wrong to detain him. -Washington Democrat.

Cold breeds a brood of aches and pains. St. Jacobs Oil destroys them.

Every failure carries a guide book to suc css in its inside pocket .- Ram's Horn.

When bilions or costive cat a Cascaret, andy cathartic, cure guaranteed. 10c, 25c.

The man whose cause is wrong is sure

to be the loser if he gains it. - Ram's Horn. Tcy pavements and bruises give aches and pains. St. Jacobs Oil gives cure, comfort.

The man who is envious of evil-doers will

During March

Colds and chills are prevalent, and unless the system is strong enough to throw them off, serious illness, often ending in pneumonia and death results.

The Cause Of colds, chills and attendant dangers is found in the blood, poisoned by uric acid, which should be expelled by the

The Effect of this kidney-poisoning. Health and strength are impossible while it exists. The system is being continually weakened, leaving it open to the ravages of colds, chills, pneumonia and fevers.

The Cure for such a diseased condition is found in



which will restore the kidneys to health and enable them to properly perform their functions. There is no doubt about this. The record of the past is

.. Proof Positive. ..



in the celebrated Coast Country. Cheap and on rea

sonable terms, fruit, vegetable and field crop farms Great production. Direct markets. Diversi-THE AMERICAN LAND COMPANY, S Roe Bidg., ST. LOUIS, MO.

ness without any capital provided you send us written references from two business men of your town

\$5 per 100 collecting \$6 per 1000 for disand samples. Select territory at once and send 10 cents for outfit, blanks, particulars and instructions to begin. The M. M. Pub. Co., Berrien Springs, Mich. PENSIONS for SOLDIERS

DROPSY NEW DISCOVERY; gives quick relief and cures worst cases. Send for book of testimonials and 10 days' treatment Free. Dr. II. II. GREEN'S SONS, Atlanta, Ga.

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IT IS THE BEST. YUCATAN. A. N. K.-E

WHEN WRITING TO ADVERTISERS PLEASE

state that you saw the Advertisement in this oon be an evil doer himself.-Ram's Horn.

MILLIONS NOW PEARLINE

REASONS FOR USING Walter Baker & Co.'s Breakfast Cocoa. Because it is absolutely pure. Because it is not made by the so-called Dutch Process in which chemicals are used. Because beans of the finest quality are used.

Because it is made by a method which preserves unimpaired the exquisite natural flavor and odor of the beans. Because it is the most economical, costing less than one cent

Be sure that you get the genuine article made by WALTER BAKER & CO. Ltd., Dorchester, Mass. Established 1780.



The regular subscription price of "Demorest's Magazine," "Judge's Library," and "Funny Pictures" is \$3.30.

We will send all three to you for one year for \$2.00, or 6 mo. for \$1.

DEMOREST'S MACAZINE" is by far the best family magazine published; there is none of our monthlies in which the beautiful and the useful, pleasure and profit, fashion and literature are so fully presented as in Demorest's. There is, in fact, no publication pretending to a similar scope and purpose which can compare with it. Every number contains a free pattern coupon. JUDGE'S LIBRARY" is a monthly magazine of fun, filled with illustrations in caricature and

FUNNY PICTURES" is another humorous monthly : there is a laugh in every line of it. All three of these magazines are handsomely gotten up. You should not miss this chance to

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